Geologic and Environmental Services

Fax: 415-547-5043

Phone: 415-547-5420

5500 Shellmound Street, Emeryville, CA 94608

February 9, 1990

Michael R. Brown Chevron USA P.O. Box 5004 San Ramon, CA 94583-0804

> Re: Chevron Service Station #90260 21995 Foothill Boulevard Hayward, California WA Job #4-310-01

Dear Mr. Brown:

Weiss Associates (WA) collected ground water samples from nine of ten monitoring wells on January 4, 1990 as part of the quarterly ground water monitoring program at Chevron Service Station #90260 in Hayward, California (Figure 1). Monitoring well MW-8 (Figure 2) was not sampled due to the presence of free-floating hydrocarbons. Ground water samples from monitoring wells MW-4, MW-5, MW-6, MW-7, MW-9, MW-11, MW-12 and MW-13 contained benzene, ethylbenzene and xylenes above the California Department of Health Services (DHS) maximum contaminant level (MCL) for drinking water, and toluene above the DHS recommended action level for drinking water. Only trace concentrations of benzene, toluene and xylenes were detected in monitoring well MW-10.

GROUND WATER SAMPLING

Personnel: Jim Martin and Matt Derby
WA Positions: Environmental Technicians

Date of sampling: January 4, 1990

Monitoring/other wells sampled: MW-4, MW-5, MW-6, MW-9, MW-11, MW-12, MW-13

Wells not sampled due to presence of free-floating hydrocarbons: MW-8

Wells not sampled due to being tank backfill wells: MW-1, MW-2, MW-3

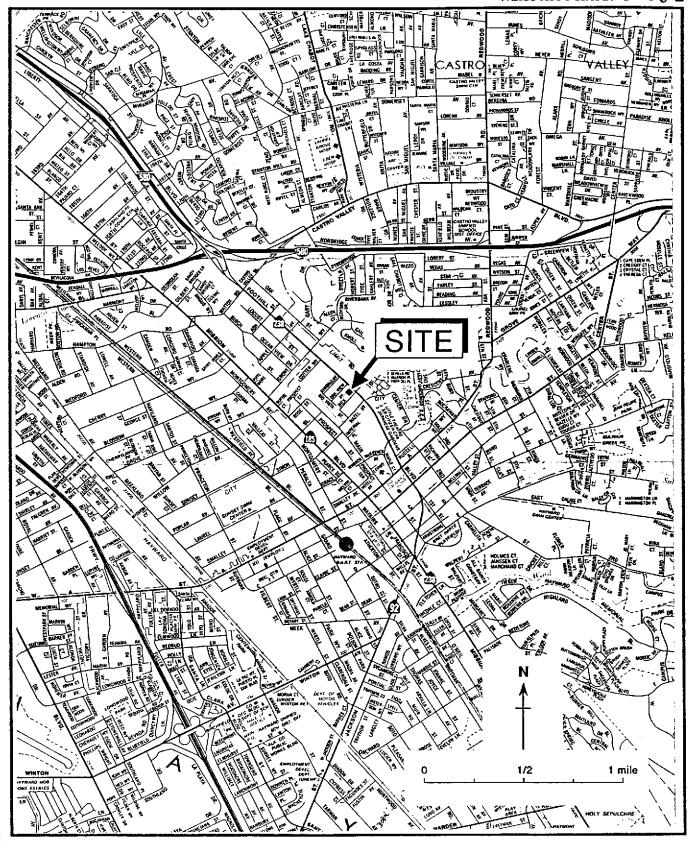


Figure 1. Site Location Map - Chevron Service Station #90260, 21995 Foothill Blvd., Hayward, California

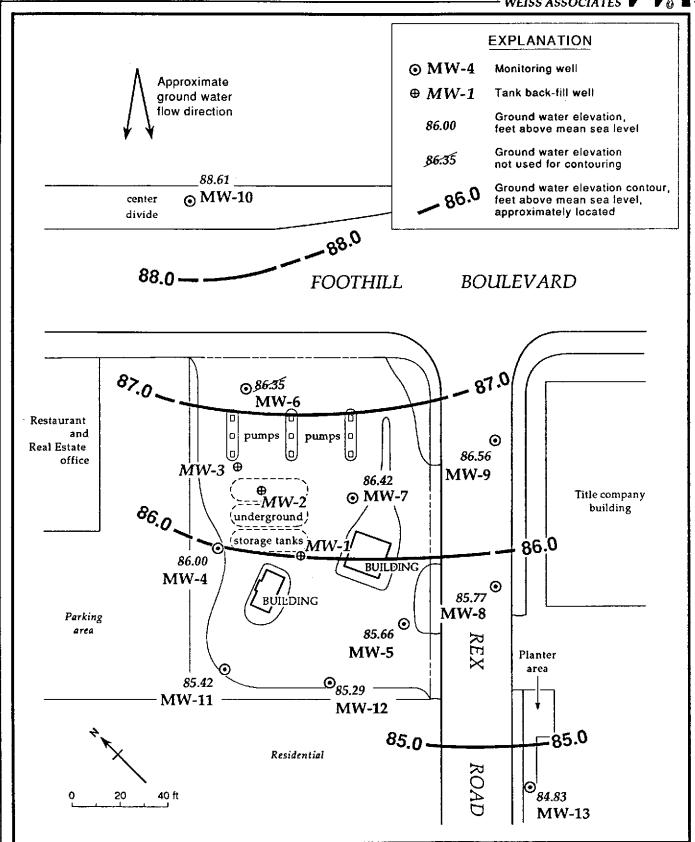


Figure 2. Monitoring Well Locations and Ground Water Elevation Contours - January 4, 1990 - Chevron Service Station #90260, 21995 Foothill Boulevard, Hayward, California

Mr. Michael R. Brown February 9, 1990

Method of purging wells:

Dedicated PVC bailers: all wells

Volume of water purged prior to sampling:

- Wells that were purged of about three well-casing volumes, approximately 8.2 to 27.5 gallons: MW-4, MW-5, MW-10, MW-11, MW-12 and MW-13
- Wells that were purged dry; water level was allowed to recover to within 80 percent
 of static water level or for at least two hours prior to sampling: MW-6, MW-7 and
 MW-9

Method of ground water sample collection:

Drawn through sampling port on side of dedicated PVC bailer: all wells

Method of containing ground water samples:

Wells

 40 ml glass, volatile organic analysis (VOA) vials, preserved with hydrochloric acid and sealed in plastic guard bottles containing activated carbon pellets:

all wells

All samples were placed in coolers and refrigerated for transport to the analytical laboratory.

Water samples transported to:

Superior Analytical Laboratory, Inc., Martinez, California

Samples were received by laboratory on January 5, 1990.

Quality assurance/quality control:

- A travel blank was submitted for analysis.
- An equipment blank was not necessary because all bailers are dedicated to specific wells.

Water sample collection records and chain-of-custody forms are included as Attachments A and B, respectively.

Mr. Michael R. Brown February 9, 1990

GROUND WATER ELEVATIONS

Water levels were measured in: all wells

Water levels were measured on January 4, 1990.

Direction of ground water flow: generally southwestward

Water levels and ground water elevations are presented in Table 1. Ground water elevation contours are plotted on Figure 2.

• Ground water elevations are generally consistent with previous measurements, except for monitoring well MW-6, where the water elevation dropped about 2 ft. Water elevations in this well have exhibited similar fluctuations in previous quarters. The ground water flow direction was not significantly affected by this discrepancy.

CHEMICAL ANALYSES

The ground water samples were analyzed for:

		<u>Wells</u>
•	Total purgeable petroleum hydrocarbons (TPPH)	
	by modified EPA Method 8015:	all wells
•	Benzene, ethylbenzene, toluene and xylenes (BETX)	
	by EPA Method 8020:	all wells

Samples were analyzed by the laboratory on January 15, 1990. The results of the water analyses are presented in Table 2 and the analytic reports are included as Attachment C.

 Isoconcentration maps of TPPH and benzene are included as Figures 3 and 4, respectively. Mr. Michael R. Brown February 9, 1990

WEISS ASSOCIATES

TABLE 1. Ground Water Elevation Data, Chevron Service Station #90260, 21995 Foothill Boulevard, Hayward, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Thickness of Floating Hydrocarbons (ft)	Water Elevation (ft above msl)
MW-4	6/15/88	100.75	12.92		87.83
	9/27/88	100.15	14.22		86.53
	1/05/89		13.20		87.55
	4/06/89		12.32		88.43
	6/28/89		14.25		86.50
	10/03/89		14.75		86.00
	1/04/90		14.75		86.00
MW-5	6/15/88	99.97	12.30		87.67
	9/27/88		13.25		86.72
	1/05/89		12.70		87.27
	4/06/89		12.22		87.75
	6/28/89		13.81		86.16
	10/03/89		14.27		85.70
	1/04/90		14.31	•	85.66
MW-6	6/15/88	101.43	13.51		87.92
	9/27/88		14.56		86.87
	1/05/89		13.48		87.95
	4/06/89		12.60		88.83
	6/28/89		14.58		86.85
	10/03/89		13.03		88.40
	1/04/90		15.08		86.35
MW-7	6/15/88	100.91	12.57		88.34
	9/27/88		13.60		87.31
	1/05/89		12.98		87.93
	4/06/89		12.34		88.57
	6/28/89		14.08		86.83
	10/03/89		14.53		86.38
	1/04/90		14.49		86.42
MW-8	1/05/89	99.67	12.02		87.65
	4/06/89		11.78		87.89
	6/28/89		13.40		86.27
	10/03/89		13.84	0.11	85.91*
	1/04/90		13.99	0.10	85.77*
MW-9	1/05/89	101.15	12.63		88.52
	4/06/89		12.46		88.69
	6/28/89		14.04		87.11
	10/03/89		14.61		86.54
	1/04/90		14.59		86.56

⁻⁻ Table 1 continues on next page --

TABLE 1. Ground Water Elevation Data, Chevron Service Station #90260, 21995 Foothill Boulevard, Hayward, California (continued)

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Thickness of Floating Hydrocarbons (ft)	Water Elevation (ft above msl)
MW-10	1/05/89	102.36	12.64	***	89.72
2,2,1, 10	4/06/89	102.50	11.38		90.98
	6/28/89		13.64	***	88.72
	10/03/89	•	13.85		88.51
	1/04/90		13.75		88.61
MW-11	6/28/89	99.97	14.33	•••	85.64
	10/03/89		14.61		85.36
	1/04/90		14.55	~~-	85.42
MW-12	6/28/89	99.64	14.10		85.54
	10/03/89		14.30		85.34
	1/04/90		14.35		85.29
MW-13	6/28/89	98.47	13.22	***	85.25
	10/03/89		13.54	•••	84.93
	1/04/90		13.64		84.83

^{* =} Ground water elevation corrected for free-floating hydrocarbons by the formula: Ground Water Elevation = Top-of-casing elevation - Depth to ground water + (0.8 x hydrocarbon thickness)

TABLE 2. Analytic Results for Ground Water, Chevron Service Station #90260, 21995 Foothill Boulevard, Hayward, California

Sample	Sample	Analytic	Analytical	TPPH/TFHC	В	E	T	X	EDC	EDB	VOCs
ID	Date	Method	Lab	<	**********	pe	erts per billio	n (μg/L)			>
MW-4	2/05/88	8015/602	в&С	88,000	24,000	1,700	19,000	10,000			
	6/15/88	8015/602	B&C	95,000	45,000	2,100	30,000	17,000		•••	
	9/27/88	524.2/8240	CCAS	500,000	41,000	<5,000	27,000	16,000	<5,000	<5,000	•••
	9/27/88*	524.2/8240	CCAS	88,000	1,200	1,600	4,100	12,000	270	230	
	1/05/89	8015/8020	SAL	64,000	41,000	2,700	29,000	14,000	•••	• • •	
	6/28/89	8015/8020	SAL	110,000	34,000	2,400	24,000	13,000			
	10/03/89	8015/8020	SAL	240,000	36,000	3,200	31,000	19,000			
	1/04/90	8015/8020	SAL	130,000	33,000	2,400	28,000	14,000			
MW-5	2/05/88	8015/602	B&C	80,000	16,000	2,600	15,000	17,000		• • •	
114 2	6/15/88	8015/602	B&C	77,000	42,000	2,500	38,000	16,000			
	9/27/88	524.2/8240	CCAS	470,000	39,000	<5,000	32,000	16,000	<5,000	<5,000	• • •
	9/27/88*	524.2/8240	CCAS	48,000	1,800	1,600	3,500	10,000	410	420	***
	1/05/89	8015/8020	SAL	82,000	44,000	2,400	37,000	14,000		***	•••
	6/28/89	8015/8020	SAL	80,000	36,000	2,400	24,000	13,000			***
	10/03/89	8015/8020	SAL	240,000	40,000	2,600	35,000	15,000			
	1/04/90	8015/8020	SAL	130,000	37,000	2,400	31,000	13,000			
MW-6	2/05/88	8015/602	B&C	53,000	5,100	2,100	4,400	14,000	• • •		
11 0	6/15/88	8015/602	B&C	33,000	9,200	520	5,500	20,000	***		
	9/27/88	524.2/8240	CCAS	17,000	2,200	1,700	2,800	5,100	130	<10	
	1/05/89	8015/8020	SAL	37,000	5,000	2,200	3.400	10,000			
	6/28/89	8015/8020	SAL	80,000	7,000	2,000	4,100	9,700			
	10/03/89	8015/8020	SAL	110,000	8,500	2,600	5,100	14,000		•-•	•••
	1/04/90	8015/8020	SAL	59,000	5,200	2,000	2,600	11,000	***		
MW-7	2/05/88	8015/602	8&C	81,000	34,000	2,400	36,000	16,000			
	6/15/88	8015/602	B&C	77,000	40,000	1,400	41,000	24,000	•••		
	9/27/88	524.2/8240	CCAS	30,000	9,700	400	8,900	4,100	2,600	<10	
	1/05/89	8015/8020	SAL	96,000	36,000	2,800	38,000	16,000		•••	(
	6/28/89	8015/8020	SAL	110,000	31,000	2,600	30,000	16,000		•••	
	10/03/89	8015/8020	SAL	230,000	34,000	2,400	34,000	15,000			*
	1/04/90	8015/8020	SAL	150,000	41,000	2,400	40,000	15,000	•••		
MW-8	10/27/88	524.2/8240	CCAS	190,000	27,000	2,200	43,000	15,000	<500	<500	WEISS
· · · · ·	1/05/89	8015/8020	SAL	87,000	24,000	3,000	39,000	15,000	***	•••	Ø
	6/28/89.	8015/8020	SAL	120,000	22,000	2,900	35,000	16,000	*		<u>«</u>
	10/03/89 ^b	•••								***	<u>ن</u>
	1/04/89 ^b	•••	•••	•••		***	***	***	•••	•••	ASSOCIA

⁻⁻ Table 2 continues on next page--

TABLE 2. Analytic Results for Ground Water, Chevron Service Station #90260, 21995 Foothill Boulevard, Hayward, California (continued)

Sample ID	Sample Date	Analytic Method	Analytical Lab	TPPH/TFHC		Epe	T arts per billion	Χ n (μg/L)	EDC	EDB	V0Cs

MW-9	10/27/88	524.2/8240	CCAS	50,000	2,000	2,000	9,900	14,000	<500	<500	
	1/05/89	8015/8020	SAL	55,000	670	3,400	8,900	16,000		•••	
	6/28/90	8015/8020	SAL	100,000	510	2,600	4,500	13,000			
	10/03/89	8015/8020	SAL	130,000	540	3,200	8,000	17,000			
	1/04/90	8015/8020	SAL	83,000	600	2,600	4,600	14,000		•••	
MW-10	10/27/88	524.2/8240	CCAS	<500	26	<5	13	<5	<5	<5	
	1/05/89	8015/8020	SAL	<1,000	<0.3	<0.3	<0.3	<0.3			
	6/28/89	8015/8020	SAL	<500	<0.5	<0.5	<0.5	<0.5			
	10/03/89	8015/8020	SAL	<500	<0.5	<0.5	<0.5	<0.5	***		
	1/04/90	8015/8020	SAL	<50	0.5	<0.5	1.1	1.7	***		
MW-11	6/28/89	8015/8240	SAL	60,000	36,000	2,500	13,000	12,000	•••	•••	ND
	10/03/89	8015/8020	SAL	14,000	4,200	240	1,400	1,300			
	1/04/90	8015/8020	SAL	82,000	33,000	2,000	11,000	10,000		*	
MW-12	6/28/89	8015/8240	SAL	55,000	30,000	2,900	21,000	19,000		•••	ND
	10/03/89	8015/8020	SAL	170,000	30,000	2,700	23,000	15,000			
	1/04/90	8015/8020	SAL	110,000	24,000	2,300	19,000	12,000		•••	
MW-13	6/28/89	8015/8240	SAL	54,000	12,000	1,900	10,000	15,000			ND
	10/03/89	8015/8020	SAL	120,000	10,000	2,300	10,000	15,000			
	1/04/90	8015/8020	SAL	87,000	6,800	2,000	10,000	12,000			
Bailer Blank	1/05/89	8015/8020	SAL	<1,000	<0.3	<0.3	<0.3	<0.3	***		
Trip Blank	1/05/89	8015/8020	SAL	<1,000	<0.3	<0.3	<0.3	<0.3		***	1
	10/03/89	8015/8020	SAL	<500	<0.5	<0.5	<0.5	<0.5			
	1/04/89	8015/8020	SAL	<50	<0.5	<0.5	<0.5	<0.5		• • •	
DHS MCLs	-	•	-	NE	1	680	100 ⁸	1,750	0.5	0.02	V W:

⁻⁻Table 2 continues on next page--

Abbreviations:

TPPH = Total Purgeable Petroleum Hydrocarbons

TFHC = Total fuel hydrocarbons

B = Benzene

E = Ethylbenzene

T = Toluene

X ≈ Xylenes

EDC = 1,2-dichloroethane

EDB = Ethylene dibromide

VOCs = Volatile Organic Compounds

--- = Not analyzed

DHS MCLs = Department of Health Services Maximum Contaminant Level

a = DHS Recommended Action Level for Drinking Water

NE = DNS action level not established

V = DHS action levels vary, depends on compound

ND = Not detected at detection limits of 500 to 2,000 ppb

* = Samples from MW-4 and MW-5 were analyzed a second time after the holding time expired to confirm the anomalously high TFHC reported in the original analysis. Although the samples were preserved with NaHSO, and refrigerated, the second analysis was not conducted until 52 days after sample collection.

b = Not sampled due to the presence of free-floating product in the well

Analytical Laboratory:

B&C = Brown and Caldwell Laboratories of Emeryville, California

CCAS = Central Coast Analytical Services of San Luis Obispo, California

SAL = Superior Analytical Laboratory of San Francisco and Martinez, California

Analytic_Method:

524.2/8240 = Fuel Fingerprint Analysis - EPA Method 524.2/8240, Total Fuel and Aromatic Volatile Hydrocarbons (GC/MS)

602 = EPA Method 602, Aromatic Volatile Hydrocarbons (GC)

8015 = Modified EPA Method 8015, Total Fuel Hydrocarbons (GC)

8020 = EPA Method 8020, Volatile Aromatics (GC)

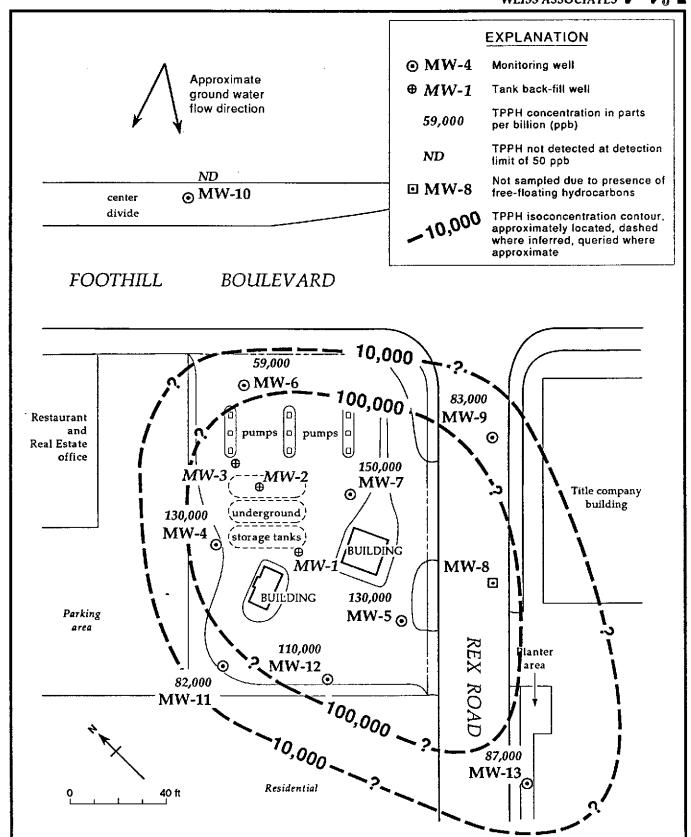


Figure 3. TPPH Isoconcentration Contours - January 4, 1990 - Chevron Service Station #90260, 21995 Foothill Boulevard, Hayward, California

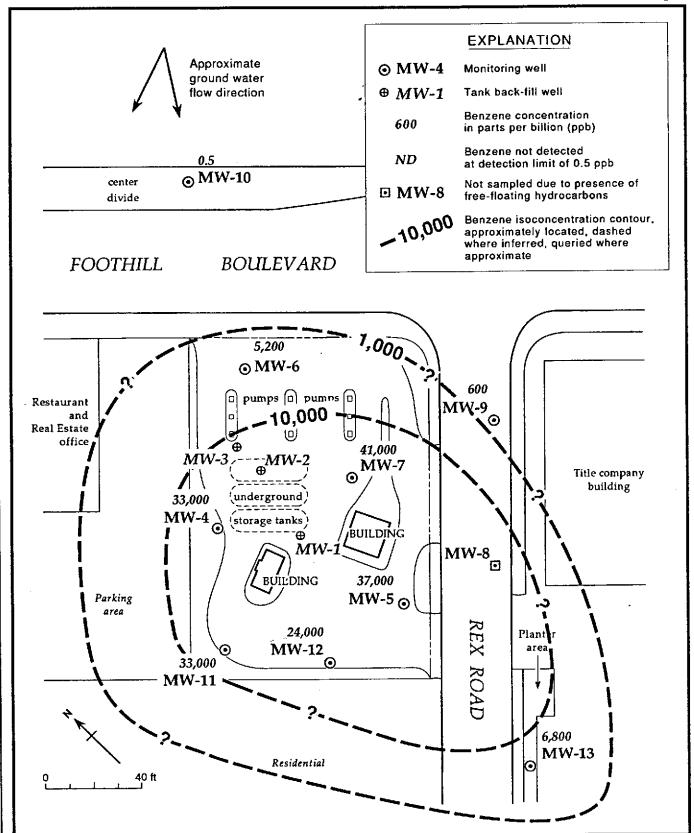


Figure 4. Benzene Isoconcentration Contours - January 4. 1990 - Chevron Service Station #90260, 21995 Foothill Boulevard, Hayward, California

ichael K. Brown



Discussion of analytic results of ground water for this quarter:

 Benzene ethylbenzene, and xylenes concentrations are above the California Department of Health Services (DHS) maximum contaminant level (MCL) for drinking water, and toluene is above the DHS recommended action level for drinking water in all monitoring wells except MW-10.

13

- TPPH concentrations from all monitoring wells have decreased from previous results, except well MW-11, where TPPH has increased to 82,000 ppb, and MW-10, where TPPH has not been detected for the past five quarters.
- Benzene concentrations from monitoring wells MW-6, MW-12, and MW-13 have decreased from previous results, whereas benzene concentrations from wells MW-7, MW-9, and MW-11 have increased from previous results.
- Ethylbenzene, toluene and xylenes concentrations are generally consistent with previous results.
- Hydrocarbon concentrations from monitoring well MW-10 and benzene concentrations from wells MW-4 and MW-5 are generally consistent with previous results.
- TPPH detection limits have been reduced from <500 ppb to <50 ppb, as requested by the California Regional Water Quality Control Board.

We appreciate the opportunity to provide hydrogeologic consulting services to Chevron and trust that this report meets your needs. If you have any questions, please call Mariette Shin or Jim Carmody.

No. C 042695
Exp. 3/31/92

Sincerely,

Weiss Associates

Mariette Shin

Environmental Technician

Eric M. Nachols

Senior Water Resources Engineer

MMS/EMN:kw F:\ALL\CHEV\310QMJA0.WP

Attachments:

A - Water Sample Collection Records

B - Chain of Custody

C - Analytic Reports

ATTACHMENT A
WATER SAMPLE COLLECTION RECORDS



	<u>WATER SAM</u>			. 1	. 1			1221	/	
	Well Name	MW-4				_ Time of San		100		
	Job Name 🚄	Cer HAY	ord	Job Nun	nber	4-310-01				
	Sample Point	Description	n					(M = Monite	oring We	:11)
						on lantxay				
	WELL DATA	: Depth to	Water 1	<u>7.75</u> ft.	(stati	ic, pumping) "	Depth to	o Product _		ft.
	Well Depth	21.6 ft. (sp	ec) Wel	l Depth á	21. 77	ft.(sounded)	Well D	iameter	4	in.
		Screened	Interval			ft. MDL	, <u> </u>			ſt.
		TOC Ele	vation		_	ft. Water	r Elevatio	on no		ft.
		Initial H	cight of V	Vater in (Casing	g <u>7.02</u> f	t. = voi	ume <u>4.</u>	<u>68</u>	ai.
						acuated. Tota				
	EVACUATIO		_							
						3" PUC				
				her						
	Evacuation T	ime: Sto	p <u>/229</u>					Formulas/Cor	versions	
	Evacuation 1		rt <u>1216</u>			— 	um	r = well radiu		
	т	otal Evacu					gal.	h = ht of wat	er col in ft.	
					_	gal. per m		vol. in cyl. =		•
	Depth to Wat			,				7.48 gal/ft ³		
	Depth to Wat	er during i	ina 15	# a ===	<u></u> ``	124,	•	V ₂ " casing =	ດ 163 ອລໄ/ຄື	t
	Evacuated Di	cratsamp	11118 <u>/_/</u>	-70	. I	· · · ·	_ (11110	V ₂ casing =		
							₩ 7 ,	-V4" casing =		
	% Recovery a	it Sample		1.7	Time		π	V _{4.5} casing		
						PUC DA				
-	Sample Port:		gpm 10t	alizer –			_gal.	V ₆ " casing =		
		Time_						V8 casing = 2	1.61 gai/1t	
	CHEMICAL									
	Calibration:				·.0 _	10.0		. 5	4 (1)	
	Measured:	SC/µmho:	s pH	T	°C	Time	Volum	c Evacuate	a (gai.)	
•				/		·, 	,			
			/	<u> </u>		/		`/		
						- -/- -		/		
			-			. / -				
			_	/		- 				
								~h.		
	<u>LE</u> : Color		ione			Od	9r	Strong		
Descri	ption of matte	er in sampi	e:	trove	of	5º5pe-vden	marsi	nt		
# of	Sample	Cont.	V ²	F ³	R ⁴	Preservative	An	alytic	T ⁵	LAB
Cont.	ID	Type ¹	•	-		(specify)		thod		
		/		,	,	.1 .1	<u></u>	106	,	<u> </u>
	010-4	. <u>w/v</u>	40ml	<u> </u>	<u>′ </u>	14Cl	(=>/7	<u> 7 (321 X</u>	<u> </u>	Superio
		t								
		· 								
						,				
										-
					 -					
* = Ma	ximum Drawdown	Limit								

¹ Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined;

^{2 =} Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

	* *				i makatan	OO WELL	SS ASSOCIATES	/ Vá
	WATER SAMP		TA _	111.10	?	9	54	1
	Well Name				Time of Sam		4.50	
	Job Name <u>CV</u>			b Number	4-310-01		wo	1
	Sample Point I			23 85		(M = M	onitoring Wcll)	
	Location New			Sto fin			J/A C	•
					ic, pumping)			
:25	Well Depth 🎢							
			Interval				ft. '} It	
		10C Fic	ation	<i>V#</i>	ft. Water	Elevation	2.89 001	
	•	Initial Ho	eight of wat	er in Casin	g 4.30 f	. = volume _	2. 60 gal.	
	T1/4 0714 T101				acuated. Total			•
	EVACUATIO	N METHO			C		Y(Y/N)	- .
		• ;			puc	Deutcateu	(1/14/	•
			Other	150 3	acii		s/Conversions	
	Evacuation Ti		p 477	4117	전설		radius in ft.	
•			rt <u>172</u>	9 9 4 . ·	11 a	-	racius in it. If water col in ft.	
			ated Prior to				yl. = sr ² h	
, 1			Rate		API	time 7.48 gal	_	,
7	Depth to Wate				9:56		ng = 0.163 gal/ft	
つけ	Depth to Wate	7	, ,	1	1 0 0	_	• •	
דע	Evacuated Dry				rime <u>UA</u>		ing = 0.367 gal/ft	.
	% Recovery at			Tim			ing = 0.653 gal/ft	'
14	Sampling Meth	_		T. T.	'/// /'''/		asing = 0.826 gal/ft	. 1
. uð	Sample Port:		gbur 1 ofan	zer		-	ing = 1.47 gal/ft	-
1		Time	·			_ V8 Casu	ng = 2.61 gal/ft	•
	CHEMICAL D			7.0	10.0		- 3 · ·	
	Calibration:		_4.0			Volume Evac	nated (cal)	e este sesse
	Measured:	SC/ Julios	, pr	T°C	Time	Totalic Evac	watou (Bar)	e jaran da
•	医多性性 化二氯化甲基磺基二甲							
					· 			
		(4. 3 1.30 L)						
		12 1 18 40 10 18 18 18 18 18 18 18 18 18 18 18 18 18						
				A. S.				
ANED	IF. Col.		2 =		04	Stron	oler	
	LE: Color	WON an sample	e - Gai	Cloudy	penael VH	or Strong	oder ca-settee	
Descri	iption of matte		Brown Co.	(10-6+) 17-3-5-5	pended UF	5)#4 17	ce selle	**************************************
Descri + of	iption of matte Sample	Cont	Brown Co.		Preservative	S) # 4 F	oder Co <u>SH</u> les	(-57) LAB
Descri + of	iption of matte		Brown Co.	(10-6+) 17-3-5-5	pended UF	5)#4 17	ce selle	S/
escri of	iption of matte Sample	Cont	¥ V² I	(10-6+) 17-3-5-5	Preservative (specify)	S) # 4 F	te ette	(<u>5</u> / LAE
Descri + of	iption of matte Sample ID	Cont	Brown Co.	(10-6+) 17-3-5-5	Preservative	Analytic Method	te ette	(SV LAE
Descri + of	iption of matte Sample ID	Cont	v² 1	(10-6+) 17-3-5-5	Preservative (specify)	Analytic Method	ca settles T'	LAB
Descri # of	iption of matte Sample ID 010-5	Cont Type ¹	¥ V² I	(10-6+) 17-3-5-5	Preservative (specify)	Analytic Method	ca settles T'	42
Descri # of Cont.	iption of matte Sample ID 010-5	Cont Type ²	¥v² I	(10-6+) 17-3-5-5	Preservative (specify)	Analytic Method	Ca Settles T'	42
escri of Cont.	iption of matte Sample ID 010-5	Cont Type ¹	¥v² I	(10-6) 17-3-5-5	Preservative (specify)	Analytic Method	Ca Settles T'	42
Descri of Cont.	iption of matte Sample ID 010-5	Cont Type ¹	¥v² I	(10-6) 17-3-5-5	Preservative (specify)	Analytic Method	ca Settles tr D	4 C
Descri # of Cont.	iption of matte Sample ID 010-5	Cont Type 1	¥v² I	(10-6) 17-3-5-5	Preservative (specify)	Analytic Method	Ca · Settles T'	andinge Serven et de Na et en Sa
Description of the contract of	iption of matte Sample ID 0/6-5	Cont. Type ¹	V ² I	(1000)	Preservative (specify)	Analytic Method S	Ca · Settles T'	4
Description of the control of the co	Sample 1D 5 1D 5 1D 5 1D	Cont. Type ¹ W/V Limit = Water, S =	V ² I	Cloud Y	Preservative (specify)	Analytic Method (AS + Be	Ca · Settles T'	4.
of Cont. * of Cont. * = M: Samp Cont. Cap	iption of matte Sample ID 0/6-5	Cont. Type ² W/V Limit = Water, S = / = VOA/Tef	V ² I	Other Plastic, C or E	Preservative (specify) HCC 3 = Clear/Brown Gi	Analytic Method (AS + Be	Ca · Settles T'	4

F:\ALL\ADMIN\FORMS\WATSAMP.WP

Weiss Associates November 27, 1989

		ING DATA	1/12/00	1	3170	
	Well Name		Datc <u>_//7/70</u>	Time of San	T. T	
	Job Name Che		Job Number	4-310-01		wo _
	Sample Point De	escription	M			itoring Well)
	Location		ner of Stat		'n pumps + Fo	
0900			15.08 ft. (\$ta		Depth to Product	NA II
	Well Depth (6.5	ft. (spec)	Well Depth 16.6	(t.(sounded)		<i>4</i> in.
	Š	Screened Inter		ft. MDI		ft.
	7	FOC Elevation	NA-		r Elevation	• •
	. 1		of Water in Casin	-0	t. = volume	
	_	3 Casing	Volumes to be Ev	acuated.' Tota	I to be evacuated	3.0 gal.
	EVACUATION	METHOD:	Pump # and typ	e	_ Hose # and typ	c
			Bailer# and typ	e pvc	Dedicated	(Y/N)
			Other			
	Evacuation Tim	e: Stop <u>X</u>	<u> 20 </u>	•	Formulas/C	Conversions
		Start <u>- 8</u>	<u> 17 </u>		r = well red	lius in ft.
	Tota	il Evacuated F	rior to Sampling	1.5	gal. h = ht of w	rater col in ft.
	Eva	cuation Rate	0.33	gal. per m	inute vol. in cyl.	= 101 ² h
	Depth to Water	during Evacua	ation <u>16.28 </u>	t. 8:21	time 7.48 gal/ft ³	,
	Depth to Water	at Sampling _	15-02 ft.	11.02	time V2" casing	= 0.163 gal/ft
	Evacuated Dry?	<u> 40)</u> Afte	cr <u>~/.O</u> gal. '	Time <u>\$2</u> ~	V ₃ casing	= 0.367 gal/ft
	% Recovery at S	Sample Time _	100 °/0 Tim	ac 11.02	V ₄ " casing	= 0.653 gal/ft
	Sampling Metho	d. <u>dedtate</u>	I sampling bro	os port	V _{4.5} " casis	ng = 0.826 gal/it
•	Sample Port: R			-	gal. V6" casing	= 1.47 gal/ft
-		ime			V8 casing =	= 2.61 gal/ft
•	CHEMICAL DA	TA: Meter B	rand/Number		-	
	•	4.0	7.0	10.0	 -	
	Camoration:			10.0		
1944 - Jan 1951 - 1984					· ·	ted (gal)
	Measured: S			Time	Volume Evacua	ted (gaL)
					· ·	ted (gal)
					· ·	ted (gal)
					· ·	ted (gal)
					· ·	ted (gal.)
		C/µmhos z p			· ·	ted (gal.)
SAMI	Measured: — S			Time	Volume Evacua	odor
		C/µmhos z pi	н т•с	Time	Volume Evacua	
Descr	Measured: — S	C/µmhos pl	H T*C	Time Od	Volume Evacua	odor 2
Descr # of	Measured: S PLE: Color siption of matter s	VONE in sample: Cont. ** V²	н т•с	Time Od	or Strong	
Descr	Measured: — S	C/µmhos pl	H T*C	Time Od	Volume Evacua	odor 2
Descr # of	Measured: S PLE: Color siption of matter s	C/μmhos plants	H T*C	Time Od	or Strong	odor 2
Descr # of Cont.	Measured: — S LE: Color iption of matter Sample:	VONE in sample: Cont. ** V²	H T°C	Time Od VF 5./F Preservative (specify)	or Strong Analytic Method	odor 2
Descr # of Cont.	Measured: — S LE: Color iption of matter Sample:	C/μmhos plants	H T°C	Time Od VF 5./F Preservative (specify)	or Strong Analytic Method	odor 2
Descr # of Cont.	Measured: S	C/µmhos plant plan	H T°C	Preservative (specify)	or Strong Analytic Method	odor 2
# of Cont.	Measured: S PLE: Color iption of matter Sample ID Okto	C/µmhos p	F R'	Preservative (specify)	or Strong Analytic Method	odor 2
Descr # of Cont.	Measured: S LE: Color	C/µmhos plant plan	F R'	Od //F S.//- Preservative (specify)	or Strong Analytic Method GAST BETY	odor 2
# of Cont.	Measured: S PLE: Color iption of matter Sample ID Okto	C/µmhos p	F R'	Preservative (specify)	Volume Evacua or Strong Analytic Method GAST BETY	odor LAB
# of Cont.	Measured: S PLE: Color iption of matter Sample ID O666	C/µmhos p	F R'	Od //F S.//- Preservative (specify)	Volume Evacua or Strong Analytic Method GAST BETY	T ² SAL
# of Cont. 2	Measured: S LE: Color	C/µmhos p	F R'	Od //F S.//- Preservative (specify)	Volume Evacua or Sirong Analytic Method Asy Bety	odor LAB
# of Cont. 2 * = M 1 Samuel	Measured: S PLE: Color pitton of matter Sample Tolor pitton of matter aximum Drawdown Lingle Type Codes: W =	C/µmhos p // Ove in sample: Cont. V2 Type W// Vo	F R'	Preservative (specify)	or Strong Analytic Method GAS/BETY	odor LAB
# of Cont. 2 * = M 1 Sam Cont	Measured: S LE: Color	C/µmhos p Afone in sample: Cont: V2 Type in t Water, S = Soil, D = VOA/Tellon.Sep Tellon lined;	F ³ R Secribe Other ta, P = Plastic, C or E	Preservative (specify) ###################################	or Strong Analytic Method GAS/BETY	odor LAB

O Weiss Associates November 27, 1989

	WATER SAMPLING DATA	است د م	200
	Well Name MW-7 Date 14/90 Time of Sampling	10:51	
•	Job Name Ches. Hayward Job Number U-3/0-0/ Initis		Y
	Sample Point Description	(M = Monitoring V	Yell)
	Location Cents of station between pumps + 10		
	1.000 1.00 1.00 1.00 1.00 1.00 1.00 1.0	to Product _ <i>N</i> A	<u>f</u> L
AA 10	<u> </u>	4.	in.
0812	Well Depth [7-6 ft. (spec) Well Depth ft. (sounded) Well I Screened Interval NA 18.08 ft. MDL*		ft.
	Screened IntervalIL MDL		r.c. f.t.
	TOC Elevation NA ft. Water Elevation	ion	
		lume 2.34	gal.
	Z Casing Volumes to be Evacuated. Total to be e		gal.
	EVACUATION METHOD: Pump # and type Hose	*	<u> </u>
	Bailer# and type PVC Dedicat	ted / (\	(/N)
	Other		
	Evacuation Time: Stop 50	Formulas/Conversions	* .
	Start 847	r = well radius in ft.	
•	Total Evacuated Prior to Sampling 2.5 gal.	h = ht of water col in	ft.
	Evacuation Rate 0.63 gal. per minute	vol. in cyl. = sr ² h	
1	Depth to Water during Evacuation 17.87 ft. 8:51 time	7.48 gal/ft ³	•
4 (4		V ₂ " casing = 0.163 gal	/Œ
(4.6 54		V_3 " casing = 0.367 gal	
78:		V_3 casing = 0.557 gal V_A " casing = 0.653 gal	
C			
	Sampling Method: delicated bross sampling part	V _{4.5} " casing = 0.826	
•	Sample Port: Rate gpm Totalizer gal.	V ₆ " casing = 1.47 gal/	
a.	Time	V8 casing = 2.61 gal/1	•
•	CHEMICAL DATA: Meter Branti/Number		
	Calibration: 4.0 10.0		
· · · · · · · · · · · · · · · · · · ·	Measured: SC/amhos pH TrC Time Volum	me Evacuated (gal.)	
•			
			V.
		1、2019年1月1日 (1) 10 10 10 10 10 10 10 10 10 10 10 10 10	
		产品的 (A)	
	PLE: Color A/bA/C	strong rodo	2-1-17
		quarty	THE RESERVE
, Desci	The control of matter the sample		X 200
# of	Sample Cont. V ² F ³ R ⁴ Preservative A	nalytic∵ુ≌ા 🤻 T ⁵	ALAB
Cont	15、16、11上,15、17、17、16、18、19、1上,11、1 4 11、1844、15年15、1645、16、15、16、16、16、16、16、16、16、16、16、16、16、16、16、	/lethod	
	OP NV VOLUNY HER GA	stoetx = W	HEC # Z
<u>2</u>			A Super Control of the Control of th
		The Company of the Co	
	e en	CONTRACTOR OF STATE	
	and the state of the second state of the secon	one and therefore the figure of	
		- 200-1987 (201-1984 - 1985) (1984) (1984) - 200-1987 (201-1984 - 1985) (1984) (1984)	
· _			A CONTRACTOR OF THE PARTY OF TH
	Maximum Drawdown Limit ple Type Codes: W = Water, S = Soil, Describe Other		
Con	the Type Codes: $V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Description of the Codes: V = VOA/Teflon Septa$	ibe Other	100 Marine
Cap	Codes: PT = Plastic, Tellon lined;		
5 N	olume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	Transfer of the state of the st	
ADD		O TO TO T	511275 721 1
	180 6	Rewiery @1	
500 150			2 1000 C

	WATER SAM			1/1/00	,	//	26	4.2
	Well Name	/1W-7	Date	1/4/10	Time of Sam		· · · · ·	
•	Job Name _C		ira Job	Number	4-310-01	_ Initials _ Mu		
	Sample Point	Description _	M	· ·	11:4011	(M = Moni	toring Well))
	Location				7	wrm r	<i>W13</i> -	-
	WELL DATA	Depth to Wa	ter <u>/9-59</u>	_ft. (sta	tic, pumping)	Depth to Product	48 .	
1:33	Well Depth _				ft.(sounded)	Well Diameter _	<u> </u>	=
		Screened In				* NA		-
		TOC Elevat		NA		Elevation	ft	
	•					t. = volume 2.		
						I to be evacuated		٠.
	EVACUATIO	N METHOD:		and typ		_ Hose # and type		- .
				and typ	e PVC	Dedicated	(Y/N),
			Other					
	Evacuation T		10:26:30_		 ·	Formulas/Co		
-		-	10:23:33			r = well radi	•	
		otal Evacuate		Sampling			ter col in ft.	
		vacuation Rat		// 5-59	gal, per m		: etr"h	
17-77	Depth to Wat					time 7.48 gal/ft ³		,
		er at Sampling			11:23	time V2" casing =		•. •
C		y? <u>YO</u> A			Time 1026		0.367 gal/ft	
10:29		t Sample Tim		1 _	ne <u>// 23</u>	~ casing =		
,		hod: <u>ded</u>		(UV)	sommy to		g = 0.826 gal/ft	ŧ.
16.85	Sample Port:	Rategpi	m Totalize	r <u> </u>	<u> </u>	gai. V ₆ " casing =		
		Time	· •	· · · · · ·	Ay.	V8 casing =	2.61 gal/ft	•
<i>O</i>		DATA: Meter	_	-1		· · · · · · · · · · · · · · · · · · ·	1, 1	
10:34	Calibration:			7.0	10.0			
Dey & mar	Measured:	SC/µmhos	pH	T°¢	Time	Volume Evacuat	ed (gal.)	
4, 10:3,			+					
		. 					2. 24	
								1.
	y Barton Barton (1981)	A STATE OF THE STA						1
		- · • • · • · • · • · • · • · • · • · •	<u> </u>	in the detail				
		NON				very at many	120	
	LE: Color	S. S			Od	or Z	a o e	25-16-49-5
- Descr	iption of matte	r in sample: 5	· ····································	<u>e fid</u>	<u> </u>	THE SPEC	2.00	e de la como
# of	Sample	Cont.	V ² F ³	R*	Preservative	Analytic (5)	T5	LAB
Cont.	ID	Type ¹		9-98 e	(specify)	** Method	。10年李成	Maria .
30 V 30	ALA G		1. 1 .	(A)		GAS +BETX		24/
	00-1	· • • • • • • • • • • • • • • • • • • •	ON IV	<u> Y</u>	HCC	- CHO LANGE		
	grand and the second of the se				2	and the second of the second o	in and the second	arang sama Managanan
			arrente <u>r in r</u> Nakoniski eta eta eta	7,		The state of the s	The state of	encount point
				· 3 - `	·	A <mark>na je kije propinske</mark> n		gyfreithyddiolei
7	ger a receiped		er i it etgist som					e lase de
			generalie i i nage		<u> </u>	San Maria Caraba Maria Albana		e service a
1. 注 <i>编 <u>12 5 2</u>2</i>	A CONTRACTOR OF THE CONTRACTOR	in grad vertical expension of the contract of	and the second s	200 a			odere i naveli. Od se od se od se	talah katawa pela Labaharan 1991 dan
*	winner Bereit	T :						24 9 6 Sec.
1 Samı	aximum Drawdown ole Type Codes: W	= Water, S = Soi	l, Describe Ot	h er				以
Cont	ainer Type Codes:	V = VOA/Tellon	Septa, P = Pl	astic, C or	B = Clear/Brown Gl	ass, Describe Other		
	Codes: PT = Plast lume per container			gerated (Y/	(N)			
s	= Normal turnarous	$\mathbf{d}_i \mathbf{W} = \mathbf{I}$ week tu	maround, R =	24 hour tu	rnaround, HOLD (w	rite out)	7.4	\$04.70°
ADD	ITIONAL CO	WIMEN 15, CO	NULLIONS	, rkobi	LEMA:	7	TITA	5481

	WATER SAM	4.4		1./-		1028		
	Well Name			Datc <u>1/4/90</u>		pling 1038		
	Job Name Ch	eu Hannand		Job Number	4-310-01	_ Initials _ <i>UM</i> _		
	Sample Point	Description				(M = Monit	oring Well)	
	Location			Blud			·	
	WELL DATA	: Depth ⁰ to	Water 13	<u>, 75</u> [t. (\$t:	tic, pumping)	Depth to Product	ft.	
	Well Depth 2	7,65 ft. (spe	c) Well	Depth 37	ft.(sounded)	Well Diameter _	_ 	
	•	Screened	Interval		ft MDL		ft.	
		TOC Elev	ation		- ft. Water	Elevation	ft.	
		Initial He	ight of W	later in Casi	ng 13.84 ft	= volume	7 gal.	
		7 Co	eina Valı	imes to be F	vacuated Total	to be evacuated	27./ gal.	
	EVACUATIO		D. D.	mn # and tw	na —	_ Hose # and type		
	EVACUATIO	N MEI IQ	<u>v</u> . rui	inp # and ty	9 9 11 DI/C	Dedicated	(Y/N)	
						Dealcated	` * / • ` /	
				ner		P 1.70-		
	Evacuation T) <u>/033</u>	<u> </u>	2 March Arling	Formulas/Co		
			t <u>1801</u>		22 mm	r = well radi		
					$\frac{27.5}{}$	• •	ter col in ft.	
					gal. per m		πr ^c h	
					ft			
	Depth to Wate					time V ₂ " casing =		
	Evacuated Da	ry? <u>NO</u>	After _		Time	V ₃ " casing =	0.367 gal/ft	
	% Recovery a	it Sample Ti	ime	Ti	me	-V4 casing =	0.653 gal/ft	
	Sampling Met	thod: D. t- o	m desli	cated PV	C BAILER	V _{4.5} " casing	= 0.826 gal/ft	
	Sample Port:	Rate	pm Tota	alizer		_gal. V ₆ " casing =	: 1.47 gal/ft	
•	•	Time			·	V8 casing =	2.61 gal/ft	
	CHEMICAL		er Brand	Number				
	Calibration:		4.0	7.0	10.0			
	Measured:	SC/µmhos	· · · · · · · · · · · · · · · · · · ·	T°C	Time	Volume Evacuate	ed (gal.)	
	Maadica.	DC/ pmilos	P	,	,			
•		/		/	7 - 7 -			
				/				•
		/-	- /	- - /	- -/- -			
		-/	- /	/	- / -			
		-/			_			
CARO	T. T. Calas	None			-DQ	or None_		
	LE: Color ption of matte			trace e	F Suspender	material		
1703011	prior or marr	or in sample	`	<u> </u>		(
# of	Sample	Cont.	V^2	F^3 R^4	Preservative	Analytic	T³	LAB
Cont.	ID	Type ¹			(specify)	Method		
73		1//	40	16 V	WI	CORS/Ketx	11.50	nerm
<u>-</u>	010-10	<u> </u>	-10	<u>//</u>	-1/LE	- CARRELA	- 22 - 7	1
		•						
		 						
			·····					
								
* = M:	ximum Drawdown	Limit	 ·					

¹ Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined;

2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)

5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

	WATER SAM	PLING DA		//	•		-1	_
	Well Name	MW-11			<u>⊘ </u>			
	Job Name 🕰	her, Hrow	md_	Job Number	9-310-01	_ Initials	Um	
	Sample Point	Description	ı	m		(M =	Monitoring W	cll)
	Location	W. cor	ver of	side Ne	ment trash	dumpste	.5	
	WELL DATA	: Depth to	Water 14	.55 (t. /s ta	(tic)pumping)	Depth to Pro	duct	ft.
					2 ft.(sounded)			
	•					_		_f t.
		TOC Elev			ft. Water	Elevation		ft.
					ng <u>5.07</u> f			gal.
		ح ک	sine Val	imes to be E	vacuated. Tota	l to be evacua	ted 10	gal.
	EVACUATIO		D Pu	mn # and tv	pe	Hose # an	d type	-
	Lincontie	ZIN MICHILO	<u>D.</u> Rui	ler# and tv	e 3" PVC	Dedicated	/ <u>(Y</u>	/N)
				ici — and typ			\ -	,,
	Evacuation T	ima Sta	1305		·	Form	ulas/Conversions	
	Evacuation 1		rt 1254		11 M		rell radius in ft.	
	~			to Sampling	10	_	nt of water col in fi	
				_	gal. per m		n cyl. = #r ² h	-
					ft.		gal/ft ³	
	Depth to Wat	er during E	vacuation:	1/2 5:	13/5		gar/10 :asing == 0.163 gal/	er.
							:asing = 0.165 gal/ :asing = 0.367 gal/	
	Evacuated D							
	% Recovery a Sampling Met	it Sample 1	ime	Tin	PUC by	<i>,,</i>	asing $= 0.653$ gal/	
_					PUC DI		casing = 0.826 g	
· .	Sample Port:	,	gpm Tota	alizer			asing = 1.47 gal/[
		Time				_ V8 c	asing = 2.61 gal/ft	-
	CHEMICAL I				_			
	Calibration:		4.0	7.0	10.0			
	Measured:	SC/μ mhos	рH	T°C	Time	Volume Ev	acuated (gal.)	
•		,		<u> </u>				
				_/	_//	· · · /		
			· ,	<u> </u>	<i>/</i> /			
				/				
			/_					
				'	•	- 1		
	LE: Color					or <u>/h/)d/e</u>	ne_	
Descri	iption of matte	er in sample	: <u>1/er</u> y	Sma"	Amount of	oft-while	5111	
# of	Sample	Cont.	\mathbf{v}^2	F ³ R ⁴	Preservative	Analyti	c T⁵	LAB
Cont.	ID	Type ¹	•		(specify)	Method	• -	
_		/	_		1110	61.10-		_
<u></u>	010-11	$\frac{w/v}{}$	40ml	<u> </u>	1900	<u>6115/186</u>	$\frac{\mathcal{U}}{\mathcal{U}}$	Oupen
	 	<u> </u>		<u>·</u>				
	<u> </u>		 -					
	• • • • • • • • • • • • • • • • • • • •					· · · · · · · · · · · · · · · · · · ·		
	-	<u> </u>						
*		T:_:4			-	·		
	aximum Drawdown Ja Tupa Codes: W		Soil Describ	a Other				

<sup>Maximum Brawdown Linux
1 Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container;
3 = Filtered (Y/N);
4 = Refrigerated (Y/N)
5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:</sup>

Well Name		PLING DATA	1/4/90		12	2 U
Sample Point Description See Control of Polarty Man edge of Notices Will Location See Control of Polarty Man edge of Notices Will Location WELL DATA: Depth to Water 4.35 ft. (static, pumping) Well Depth Man ft. (spec) Well Depth 169 ft. (sounded) Well Diameter in. Screened Interval Man ft. MDL* TOC Elevation Man ft. Initial Height of Water in Casing 5.24 ft. = volume 3.45 gal. 3. Casing Volumes to be Evacuated. Total to be evacuated 6.9 gal. EVACUATION METHOD: Pump # and type	Well Name	MW-12	_ Datd_7/10_	_ Time of San	pling	2
WELL DATA: Depth to Water 1.5 ft. (static, pumping) Well Dath M. ft. (spec) Well Depth 1.5 ft. (static, pumping) Well Dath M. ft. (spec) Well Depth 1.5 ft. (static, pumping) Well Dath M. ft. (spec) Well Depth 1.5 ft. (static, pumping) Well Dath M. ft. (spec) Well Depth 1.5 ft. (static, pumping) Well Dath M. ft. (spec) Well Depth 1.5 ft. (static, pumping) Well Dath M. ft. (spec) Well Dath				4-310-01		
WELL DATA: Depth to Water 4.55 ft. (static, pumping) Depth to Product 4.6 ft. Well Diameter 4.6 in. Screened Interval 4.6 ft. Well Diameter 4.6 in. Screened Interval 4.6 ft. MDL 4.7 ft. MDL 4.7 ft. TOC Elevation 4.7 ft. Initial Height of Water in Casing 5.27 ft. = volume 3.45 ft. Initial Height of Water in Casing 5.27 ft. = volume 3.45 gsl. Assing Volumes to be Evacuated. Total to be evacuated 10.1 gsl. EVACUATION METHOD: Pump # and type Baller# and type Baller	•		* -			litoring Well)
Well Depth M. ft. (spee) Well Depth M. ft. (sounded) Well Diameter 4 in. Screened Interval M. ft. MDL. M. ft. TOC Elevation M. ft. MDL. M. ft. Initial Height of Water in Casing 5.24 ft. = volume 3.45 gal. 2 Casing Volumes to be Evacuated. Total to be evacuated 10.19 gal. EVACUATION METHOD: Pump # and type Bailer# and type Bailer# and type Dedicated Y (Y/N) Other Evacuation Time: Stop 123						- 4 4
Screened Interval TOC Elevation No It. Water Elevation Total Evacuated Description Start 122- Other Evacuation Time: Stop 123+ Start 122- Total Evacuated Prior to Sampling Evacuation Rate I. O gal. per minute Depth to Water during Evacuation Depth to Water at Sampling Application Depth to Water at Sampling No No No Recovery at Sample Time No Sample Port Rate Sampling Method: Sample Port Rate Sample Total Evacuation No Sample Port Rate CHEMICAL DATA Meter Brand/Number Calibration: 4.0 7.0 No Measured: SC/pmhos; pH T'C Time Volume Evacuated (gal) SAMPLE: Color No SAMPLE: Color No Sample: Cont. Divided No Scott Scott Section No Sample: Cont. Divided No Scott Scott Section No Sample: Cont. Divided No Scott Scott Section No SAMPLE: SAMPLE: Color SCAMPLE: SAMPLE: SAMPLE: Color SCAMPLE: SAMPLE:	<u>WELL DATĄ</u>	Depth to Water	4.35 ft. (stat	tic, pumping)	Depth to Produc	t NA ft.
TOC Elevation	Well Depth 🥂					
Initial Height of Water in Casing 5.27 ft. = volume 3.45 gal. 3. Casing Volumes to be Evacuated. Total to be evacuated 10.15 gal. EVACUATION METHOD: Pump # and type						
3 Casing Volumes to be Evacuated. Total to be evacuated 10.1 gal. EVACUATION METHOD: Pump # and type Bailer# and type Despr Dedicated Y (Y/N) Other Evacuation Time: Stop 123+		TOC Elevation		ft. Water	Elevation	<u> </u>
EVACUATION METHOD: Bailer# and type Other Evacuation Time: Start 122 Total Evacuated Prior to Sampling 1 gal. Evacuation Rate 1.0 gal. per minute Evacuation Rate 2.0 ft. 12.3 time Depth to Water during Evacuation 1/A ft. time Depth to Water at Sampling 2.0 ft. 12.3 time Evacuated Dry? 1/O After gal. Time Sample Port Rate 5pm Totalizer 1/A Sampling Method: Sample Port Rate 5pm Totalizer 1/A Sampling Method: CHEMICAL DATA Meter Brand/Number Calibration: 4.0 7.0 10.0 Measured: SC/µmhos pH T°C Time Volume Evacuated (gal.) **SAMPLE Color 1/A Sample Cont. 1/A Sample Perhatic Scription of matter; in sample 1/A Sample Port Rate 1/A Sample Port Rate 2.6 gal/16 **Sample Port Rate 2.6 gal/16 **Cont. ID 7/A 10.0 10.0 **Measured: SC/µmhos pH T°C Time Volume Evacuated (gal.) **Amalytic 3.4 1/A Sample 1/A		Initial Height of	Water in Casin	g 5.29 f	t. = volume	3.45 gal
Bailer# and type Other Evacuation Time: Stop 23 Formulas/Conversions r = well radius in ft. Total Evacuated Priof to Sampling gal gal time vol. in cpl. = av² v		3_ Casing V	olumes to be Ev	acuated. Tota		
Evacuation Time: Stop 123+ Start 1722- Start 1722- Total Evacuated Prior to Sampling	<u>EVACUATIO</u>				_	
Evacuation Time: Stop 123 Regrambla/Conversions Total Evacuated Prior to Sampling gal. he had of water cold in ft. Evacuation Rate 1.00 gal. per minute vol. in cyl. = a ² b. Depth to Water during Evacuation MA ft. time vol. in cyl. = a ² b. Depth to Water at Sampling O.8 ft. 2.37 time v ₂ casing = 0.163 gal/n. Evacuated Dry? MO After gal. Time v ₃ casing = 0.553 gal/n. % Recovery at Sample Time MA Time v ₄ casing = 0.553 gal/n. Sampling Method: 2.61 casts Dress			Bailer# and type	e Des puc	Dedicated>	(Y/N)
Total Evacuated Prior to Sampling				-		
Total Evacuated Prior to Sampling	Evacuation T	ime: Stop <u>123</u>	<u> </u>		Formulas/	Conversions
Evacuation Rate Depth to Water during Evacuation Depth to Water during Evacuation Depth to Water at Sampling Depth to Water at Sampling Evacuated Dry? No After gal. Time V ₂ casing = 0.563 gal/t V ₃ casing = 0.563 gal/t V ₄ casing = 0.563 gal/t V ₇ casing = 0.563 gal/t V ₈		Start <u>12.2</u>	火		r = well ra	dius in ft.
Depth to Water during Evacuation	T	otal Evacuated Pr	ior to Sampling	11	gal, h = ht of v	rater col in ft.
Depth to Water at Sampling 208 ft. 1237 time V2 casing = 0.163 gal/ft Evacuated Dry? NO After gal. Time V3 casing = 0.553 gal/ft % Recovery at Sample Time NAT Time V4 casing = 0.553 gal/ft Sampling Method: Laire Prant/Supply Supply Supply Sample Port: Rate gpm Totalizer gal. V4.5 casing = 0.553 gal/ft CHEMICAL DATA Meter Brand/Number Calibration: SC/µnhos; pH T°C Time Volume Evacuated (gal.) Measured: SC/µnhos; pH T°C Time Volume Evacuated (gal.) # of Sample Cont NAV F F R' Preservative Analytic T2 & LAB Cont. ID Type (specify) Method 2 Olo 12 UNIV Gold N Y HCL GAS-BETT NATE Container Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: W = V0/Tellou Septs, P = Plastic, Or B = Clear/Brown Glass, Describe Other Container Type Codes: W = V0/Tellou Septs, P = Plastic, Or B = Clear/Brown Glass, Describe Other Container Type Codes: W = V0/Tellou Septs, P = Plastic, Or B = Clear/Brown Glass, Describe Other Container Type Codes: W = V0/Tellou Septs, P = Plastic, Or B = Clear/Brown Glass, Describe Other Container Type Codes: W = V0/Tellou Septs, P = Plastic, Or B = Clear/Brown Glass, Describe Other Container Type Codes: W = V0/Tellou Septs, P = Plastic, Or B = Clear/Brown Glass, Describe Other Cap Codes: Tellou Index (7/N); 4 = Refrigerated (Y/N) 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 west turnaround, HOLD (write out)	E	vacuation Rate	~1.10	gal. per m	inute vol. in cyl.	$=\pi r^2 b$
Evacuated Dry? NO After gal. Time V3 essing = 0.367 gal/th % Recovery at Sample Time Time V4 essing = 0.653 gal/th V4 saing = 0.853 gal/th V5 essing = 0.853 gal/th V5 essing = 0.853 gal/th V6 essing = 0.853 gal/th V6 essing = 1.47 gal/th V6 essing = 1.47 gal/th V6 essing = 1.47 gal/th V6 essing = 2.61 gal/th V6 essin	Depth to Wate	er during Evacuat	ion <u>UA</u> f	L	time 7.48 gal/ft	3
% Recovery at Sample Time Sampling Method: Sample Port: Rate	Depth to Wate	er at Sampling	17.08 ft.	1237	time V2" casing	= 0.163 gal/ft
Sample Port Rate gpm Totalizer gal. V ₆ casing = 0.826 gal/8 Sample Port Rate gpm Totalizer gal. V ₆ casing = 1.47 gal/8 Time CHEMICAL DATA Meter Brand/Number Calibration: 4.0 7.0 10.0 Measured: SC/µmhos pH T°C Time Volume Evacuated (gal.) # of Sample: Cont. *** V² F² R' Preservative Analytic *** *** *** *** *** *** *** *** *** *	Evacuated Di	ry? <u>No</u> After	gal.	Time	V ₃ " casing	= 0.367 gal/ft
SAMPLE: Color *** NOALC Odor Slight Odor Bescription of matter in sample: Take (Specify) # of Sample Cont *** Your Foundation (Specify) # Method # Maximum Drawdown Limit ** 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: W = Vol/Tellon Spta, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: FT = Plastic, Tellon lined; 2 = Volume per container, 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, HOLD (write out)	% Recovery a	it Sample Time	NA Tim	ıç	V4" casing	= 0.653 gal/ft
Time CHEMICAL DATA Meter Brand/Number Calibration: 4.0 2.0 10.0 Measured: SC/µmhos pH T°C Time Volume Evacuated (gal.) Measured: Town of Mode Odor Slift odor Bescription of matter in sample: Town (specify) # of Sample Cont 3/4 V² F³ R' Preservative Analytic T° & LAB Cont 1D Type (specify) # Method (specify) # Method (specify) # Method (specify) * Method	Sampling Met	thod: <u>Dedicated</u>	bress somp	ling port	V _{4.5} " casi	ng = 0.826 gal/ft
CHEMICAL DATA Meter Brand/Number Calibration: 4.0 7.0 Measured: SC/\mumbos; pH T°C Time Volume Evacuated (gal.) SAMPLE: Color WOAVE Description of matter in sample: [1020] (re 5/) # of Sample Cont. re V F R Preservative Analytic T LAB Cont. ID Type (specify) Method SAMPLE Cont. SAMPLE Color Model SAMPLE Cont. Sample Cont. re V F R Preservative Analytic T LAB Sample Type SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE * = Maximum Drawdown Limit SAMPLE SAMPLE SAMPLE SAMPLE SAMPLE Sample Type Codes: V = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Tellon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon Ined; 2 = Volume per container; S = Filtered (Y/N); 4 = Refigerated (Y/N) S N = Normal turnaround, W = 1 week turnaround, HOLD (write out)	Sample Port	Rategpm T	otalizer		_gal. V ₆ " casing	= 1.47 gal/ft
Calibration: Measured: SC/µmhos, pH T°C Time Volume Evacuated (gal.) SAMPLE: Color Wolfe Odor Slight odor Description of matter in sample: Toze Tree Sill Odor # of Sample Cont. Y2 F3 R4 Preservative Analytic Tree Cont. ID Type (specify) Method 2 Olo SI Wolfe Wolf N HCL SASIBETT SI SAMPLE * = Maximum Drawdown Limit / 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: W = Water, S = Soil, Describe Other Cap Code: PT = Plastic, Tellon Ined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)		Time	·		V8 casing	= 2.61 gal/ft
Calibration: Measured: SC/µmhos, pH T°C Time Volume Evacuated (gal.) SAMPLE: Color Wolfe Odor Slight odor Description of matter in sample: Toze Tree Sill Odor # of Sample Cont. Y2 F3 R4 Preservative Analytic Tree Cont. ID Type (specify) Method 2 Olo SI Wolfe Wolf N HCL SASIBETT SI SAMPLE * = Maximum Drawdown Limit / 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: W = Water, S = Soil, Describe Other Cap Code: PT = Plastic, Tellon Ined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	CHEMICAL	DATAI Meter Bra	nd/Number	1	· · · · · · · · · · · · · · · · · · ·	₹
SAMPLE: Color Wowle Odor Slight odor Description of matter in sample: Trace (Tre sill odor # of Sample: Cont 14-V2 F3 R4 Preservative Analytic T3 LAB Cont. ID Type (specify) (Method) # = Maximum Drawdown Limit Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: W = Work F3 = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); N = Normal turnaround, W = 1 week turnaround, HOLD (write out)			•	10.0		
SAMPLE: Color Wowle Odor Slight odor Description of matter in sample: Trace (Tre sill odor # of Sample: Cont 14-V2 F3 R4 Preservative Analytic T3 LAB Cont. ID Type (specify) (Method) # = Maximum Drawdown Limit Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: W = Work F3 = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); N = Normal turnaround, W = 1 week turnaround, HOLD (write out)	Measured:	SC/µmhos pH	л•с	Time	Volume Evacua	ited (gal.)
SAMPLE: Color Description of matter in sample: # of Sample Cont. ** V² F³ R⁴ Preservative Analytic T³ ** LAB Cont. ID Type¹ (specify) ** Method * Olo ** 12 ** W W Worl N HCL GAS / Berr N SALL * = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)						
SAMPLE: Color Description of matter in sample: # of Sample Cont. ** V² F³ R⁴ Preservative Analytic T³ ** LAB Cont. ID Type¹ (specify) ** Method * Olo ** 12 ** W W Worl N HCL GAS / Berr N SALL * = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)			·			
SAMPLE: Color Description of matter in sample: # of Sample Cont. ** V² F³ R⁴ Preservative Analytic T³ ** LAB Cont. ID Type¹ (specify) ** Method * Olo ** 12 ** W W Worl N HCL GAS / Berr N SALL * = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)			t × r			
SAMPLE: Color Description of matter in sample: # of Sample Cont. ** V² F³ R⁴ Preservative Analytic T³ ** LAB Cont. ID Type¹ (specify) ** Method * Olo ** 12 ** W W Worl N HCL GAS / Berr N SALL * = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)		g. 10.50 特别是"A		<u> </u>		
SAMPLE: Color Description of matter in sample: # of Sample Cont. ** V² F³ R⁴ Preservative Analytic T³ ** LAB Cont. ID Type¹ (specify) ** Method * Olo ** 12 ** W W Worl N HCL GAS / Berr N SALL * = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)						
# of Sample Cont. W. V ² F ³ R ⁴ Preservative Analytic T ³ LAB Cont ID Type ² (specify) # Method # Maximum Drawdown Limit Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; V			24 32 3 3 3 1 1			
# of Sample Cont Proc Y F3 R' Preservative Analytic T				PO	or <u>~ ~ 1194</u>	Odor
Cont. ID Type ² (specify) Method 2 Olo = 12 IVIV Youl N Y HCe GASIBETT IN SAIL * = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Tellon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teffon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	Description of matte	er in sample:	race	fine silt		
Cont. ID Type ² (specify) Method 2 Olo = 12 IVIV Youl N Y HCe GASIBETT IN SAIL * = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Tellon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teffon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	# of Sample	Cont V	E3 R4	Preservative	Analytic	T ⁵ LAB
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	radio de la compania	7.4 Au				
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)				UCO	的复数使用的 经收益 化对抗电影	-11-611
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	<u>00000</u>	VIV YOU	<u> </u>	nce:	- (511>1De	
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	୍ର ବିବାର ଓ ଅନୁକାର । ଏହା ପ୍ରତିକ୍ର ଅନ୍ତି । ଅନ୍ତର୍ଜ । ବିବାର ଓ ଓଡ଼ିଆ । ଏହା ସହିତ୍ର ଅନ୍ତର୍ଜ ଓଡ଼ିଆ		and the second s		r og filligging og skriver og til skriver. Forskriver og til skriver og til skriver og til skriver.	
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)					CANAL TO CHARLETO	The second of th
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	The state of the s	A STATE OF THE PROPERTY OF THE		1 mar 1 1 1 (2.25)	Barrier and the second	र के हिंदि स्वापन के राजनीतिक स्वापन स्वयं है। स्वापन
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)						
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	' 4	4	<u>rag e reconsulation con con Si</u> matrix a matrix con a consulation con	<u>Tanta da Artika (h. 1868)</u> Geografia	n grown on a was filtera in San a was san a was san a	the supplemental of the second
* = Maximum Drawdown Limit 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	<u>a de a ministra de la respectabilita.</u> A reja de Galento la palentaj filonoma.	-/ :	1. 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
 1 Sample Type Codes: W = Water, S = Soil, Describe Other Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; S = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out) 	* = Maximum Drawdown	- ·	Alexander .			
Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)	1 Sample Type Codes: W	= Water, S = Soil, Des				
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N); 5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)			, r = Plastic, C or E	s = Clear/Brown Gl	ass, Pescribe Uther	
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:	2 = Volume per container;	; 3 = Filtered (Y/N); 4	= Refrigerated (Y/	N)		
	ADDITIONAL COM	'a, 'w = 1 week turnarou MMENTS≚CONDI	ma, K.= 24 hour tui TIONS PRORI	EMS:	nie outj	
				4個		

	WATER SAM			1.1.		1147		
	Well Name	/			Time of San		<u> </u>	
	Job Name 💋	er Hayward	Jo	b Number	4-310-01	_ Initials <u>////</u> _		
	Sample Point					(M = Moni	toring We	ell)
					from sit			
	WELL DATA	Depth to	Water <u>134</u>	🚜 ft. (sta	tic, pumping)	Depth to Product		ft.
	Well Depth <u>/</u>	<u>7, 77</u> ft. (spc	c) Well I	Depth <u>17.7</u>	ft.(sounded)	Well Diameter _	4	in.
								ſt.
					ft. Water			ft.
						t. = volumc <u> </u>		al.
		Ca	sing Volun	nes to be E	vacuated. Tota	l to be evacuated _	8.1 8	al.
	EVACUATIO	N METHO				Hose # and type		
			Baile	r# and typ	e 3 PVC	Dedicated	(Y/	N)
			Othe	r				
	Evacuation T	ime: Stop	11.16	1135		Formulas/Co	onversions	
			t <u> </u>			r = well radi	us in ft.	
	Т	otal Evacua			8.2	gal. h = ht of wa	ter col in ft.	·
	Е	vacuation R	ate	•7	gal. per m		= =r ² h	
	Depth to Wat					time 7.48 gal/ft ³		
					1146	time V ₂ " casing =	= 0.163 gal/f	t
					Time		= 0.367 gal/f	t
	% Recovery a			5 Tin		V casing =	0.653 gal/f	t-)
					Bailen	V _{4.5} " casing		
	Sample Port:			1		gal. V ₆ " casing =		
		Time			-	V8 casing =		
	CHEMICAL		er Brand/	Number		<u> </u>		
	Calibration:		4.0	7.0	10.0			
	Measured:	SC/µmhos		T°C	Time	Volume Evacuat	cd (gal.)	
	1/10454104,	00, μ	, P-1		/			
			//	7 — 7		/	7	
				- —	-			
					-			
		/	- 	/				
			· · · · · · · · · · · · · · · · · · ·					
SAMP	LE: Color	/	VONE		Od	or NOWE		
	ption of matte	er in sample	: 4KA	ce of s	suspended MA	, - , -		
		.	$\mathbf{V^2}'$		*	4	-r-5	TAD
# of	Sample	Cont.	γ-	F ³ R ⁴	Preservative (specify)	Analytic Method	1	LAB
Cont.	ID	Type ¹		,	(specify)	A C		^
2	010-13	W/V	40m 1	<u> </u>	140	6A5/BEIX	_ 4/_	Syperior
		. .						
								
-		· · · · · · · · · · · · · · · · · · ·		_ —		· ·		
	ximum Drawdown le Type Codes: W		Soil. Describe	Other				

Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other Cap Codes: PT = Plastic, Teflon lined;

Cap Codes: P1 = Plastic, 1etion lined;
2 = Volume per container, 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 N = Normal turnaround, W = 1 week turnaround, R = 24 hour turnaround, HOLD (write out)
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

TRAVEL BLANKS

WEISS ASSOCIATES

'	4	~~	
٠.	.		
		n /. 4	
	•	التاكا	
	y :		ı
	- A-1		

	PLING DATA	- 1/1//	مے Time of S an	beli'ny	12:53	
Well Name			4-3/0-01			
						W-11
-	Description	(Reflect	CANES	(N	<pre>l = Monitoring</pre>	weith
Location			4	Donal to 1	Dendust	
	Depth to Water _					
Mett Debtu -	ft. (spec) We			* WEN DIA	meter	— քե
	Screened Interval					
,	Initial Height of					
	Cocing Vo	water in Casii	vacuated. Tota	i voidi I to he evar	no	6 ^{a.} -
EVACUATIO			oc			
EVACUATIO	N METHOD. P	nup # and typ	e	_ riosc # o	and type	(Y/N)
		ther	•	Degleated	· · · · · · · · · · · · · · · · · · ·	(• / • · /
Evacuation T				F	ormulas/Conversion	
Lvacuation 1	Start Start		/		= well radius in ft.	
T.	otal Evacuated Pric	to Sampline		_	= ht of water col i	
	vacuation Rate				ol. in cyl. = $\pi r^2 h$	
	or during Evacuation		gai; per in		48 gal/ft ³	
= :	er at Sampling			•	2" casing = 0.163 g	ral/ft
	y? After		Time		3" casing = 0.367	
	t Sample Time		nc		4" casing = 0.653 (•
	hod:				4 5" casing = 0.82	
	Rate gpm To			··-	6" casing = 1.47 gr	
	Time				8 casing = 2.61 ga	
	DATA: Meter Bran	d/Number		- . `		
			10.0		<u> </u>	
	SC/µmkos pH			Volume	Evacuated (ga	Destroy established
	7					
	<u> </u>		/		1.0	
			-			
	John Bridge Barrie					
					Brailly on the Alba	
	A					
AMPLE: Color	NONE		Od	or //	/	35 3 4 M S
escription of matte	r in sample: 📉 🧀	NONE		13 1434 March		· · · · · · · · · · · · · · · · · · ·
of Sample	* Cont **** V2	* F3 R4	Preservative	Anal	vtic T	S LAB
ont. ID	Type ¹		(specify)	Mcth		19 40 4 019
			11002			- K4.
UIUF FI	AOPT AOPT	<u> </u>	HUE	G45+1	SETX W	
		<u>Antii A</u> aran Milaa a anii Maran a anii Antiin aasaa ah		a dispersion del professione. També de la companya	A STATE OF THE STA	
	Telephone in the State of the S			1.45	draw and a substitution	
GRAT STORY OF PRINCIPLE	Company of the second		<u> </u>			
क्षा स्थान कुर्तान कर कर के स्थान है है है है है है है	garini, and operations					
		1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		ayay a safa an ka ayaa ayaa Garaa ayaa ayaa ah		rik Salari, Salari e. Silari
		e na ang kanalang a Panggarang ang kanalang ang kana		1 <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>		3.0
= Maximum Drawdown	· · · · · · · · · · · · · · · · · · ·				San Asia Asia Asia Asia Asia Asia Asia Asia	
Sample Type Codes: W	= Water, S = Soil, Descr	ibe Other				
Container Type Codes: Cap Codes: PT = Plasti	V = VOA/Teilon Septa, l ic. Teilon lined	P = Plastic, C or I	3 = Clear/Brown Gl	158, Describe C)ther	
2 = Volume per container;		= Refrigerated (Y/	N)	。 《保护》:"我 们		
N = Normal turnaround ADDITIONAL COM				ite out)		3123
ADDITIONAL CON		TOID AL		7-61	12-14-59	192
- D - D - D - D - D - D - D - D - D - D	表表示的一种有效的最高的。	こってひりひ こんげん	ノアロシーフ ・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	●包件室 非正常發	50.4 3 8.500 (4.87)	

										 										
	. 83	Chevro	n Facili	ity Numl	ber	900	260 (Hay	ward	<u>\</u>		Chevro	on Conta	ct (Name	e)(e	mik	e D	row	'n	
	Chevron U.S.A. Inc. P.O. Box 5004 San Ramon, CA 94583 FAX (415) 842-9591	Consult Release	Numt	48 <u>2</u>	564	320	Consultan Project Nu	it imber	4-3	10-0))				_				- 90 40	
	.A. CA (Consult	Consultant Name Weiss Associates							Laboratory Name SUPERIOR Analytical Laborator										
	U.S 500- on, -	Add	iress	550	0 5	hell	mound st.	Emer	yvill.	e (A	946	∳8 ntra	ct Numb	er					240-9-	
	fon fox E fame f15	Fax	Numb	er	(41	<u>2)</u>	<u>- 547</u>	<u> </u>	420			Sample	es Collec	ted by (N	, ,		MART	7N -	+ Matt Dab	7
	Chevron U.S. P.O. Box 5004 San Ramon, C FAX (415) 842	Proj	ject Co	ntact (N	lame) _		arietto	<u> </u>	Shir	١		Collect	ion Date	<i>//</i>	14/	90/				
L	2 5 8 8			{P	hone) .	(41	2) 2	47.	- 50	43		Signati	ure	Hin	11/4	AL				
ſ				Sa.								Ana	yses To I	Be Perfo	rmed					·····
			ers	≍ Air ≃ Charcoal	ā		. 5		ą	٠ <u>.</u>	_	2 X	X 4						1.	
	ž		Number of Containers	A = /	= Grab = Composite		Sample Preservation	i	8015 droc	8015 droc	503 Oil and Grease	Arom. Volatiles - BTXE Soil: 8020/Wtr.: 602	Arom. Volatiles • BTXE Soil: 8240/Wtr.: 624		88					:
	Sample Number	per	٥		ي ق		Press		A E	FP 5 FP	nd G	latile D/Wt	latile J/Wr	.	EDB DHS-AB 1803					
	nple	ab Number	nber	Matrix S = Soil W = Water	ິບ	وو	nple		Iffied I Pet	iffied Petr	Ö	802.	n. Vo 824(Total Lead DHS-Luft	PHS		}			
	Š	Ŝ	ž	ຊິິນ	Туре	Тіте	, Sar	bed	Moc Tota	Modified EPA 8015 Total Petro. Hydrocarb. as Gasoline + Diesel	503	Aron Soil:	Aron Soil:	Tota DHS	EDB				Remarks	
	010-AG		2	W	6	1236	, HU	Yes	1	_		1								:
_	010-5 0		2	W		0954	HU	Yes				0								i
	010-6 3		2	W	G	1107	40	Yer	1			1				†				
ا	010-7 9		2	W	6	1051	40	Yes	1			1	1							;
١	010-90		2	W	6	1126	140	Yes	/											:
	010-106		2	W	6	1038	1 140	Yes	<u>/</u>			/								
	010-11 6		2	W	<u>G</u>	1311	170	Yer	/			/								
	210-123		۲	W	6	1234	HU,	Yer	•			/								
•	010-13(9)		2	W	G	1142	14-14	Yes	1/											
	10-21 (13)		2_	W	G-	1253	14(0)	Yes				V								
-																				•
																				;
Ŗ	elinguished by (Sign)	ture)	Or	ganizati	on l		Date/Time	Rece	Nyed By I	Signany	<u></u> භ		Organi	zation		Date	/Time	17.	urn Around Time	
	elinguistyed By (Signa		w	leise 1	1350c		1/4/90 144	\$# <i>15</i>	1110	X14	يدويس	k	12	18	5	1/4	190		ircle Choice}	:
_	Environished By (2) dus	turej		ganizatii 490ES		-	Dete/Time	Rece	ii)ed By	Signatur	e) M		Organi	zation (کخے) ^	1+	Date	Time 4		24 Hrs 48 Hrs	•
R	elinquished By (Signa	ture)	Or	anizatio	on		Date/Time		A	Laboreto		ignature)	<u> </u>	<u>. ' '</u>		Time		. 5 Days	
,	44 4 A A A A A A A A A A A A A A A A A						<u> </u>	٧	<u> </u>	1 1 "						14	198	/6:		5173: 8 33
																			-,	

ATTACHMENT C ANALYTIC REPORTS

SUPERIOR ANALYTICAL LABORATORY INC.

825 ARNOLD, STE. 2 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

CERTIFICATE OF ANALYSIS

LABORATORY NO.: 80427 CLIENT: Weiss Associates CLIENT JOB NO.: 1-310-01 DATE RECEIVED: 01/05/90

DATE REPORTED: 01/16/90

Page 1 of 2

Lab Number 80427- 1 80427- 2 80427- 3 80427- 4 80427- 5 80427- 6 80427- 7 80427- 8 80427- 9 80427-10	010-4 010-5 010-6 010-7 010-9 010-10 010-11 010-12		entificati		Dat Sampl 01/04 01/04 01/04 01/04 01/04 01/04 01/04 01/04	/90 /90 /90 /90 /90 /90 /90 /90	Date Analyzed 01/15/90 01/15/90 01/15/90 01/15/90 01/15/90 01/15/90 01/15/90 01/15/90 01/15/90
Laboratory N		80427 1	2	3	80427 4	804 5	
ANALYTE LIST OIL AND GREATPH/GASOLINE TPH/DIESEL F BENZENE: TOLUENE: ETHYL BENZEN XYLENES:	ASE: E RANGE: RANGE:	NA 130000 NA 33000 28000	NA 130000 NA 27000 31000 2400	NA 5200 2600	NA 150000 NA 41000 40000 2400	260	0 0
Laboratory 2	Kumber:	80427 6	80427 7	80427 8	804 27 9	804 10	
ANALYTE LIST	Γ	Amounts/	Quantitati	on Limits	(ug/L)		
OIL AND GREATPH/GASOLINE TPH/DIESEL E BENZENE: TOLUENE: ETHYL BENZE: XYLENES:	E RANGE: RANGE:	NA ND<50 NA 0.5 1.1 ND<0.5	NA 82000 NA 33000 11000 2000 10000	NA 110000 NA 24000 19000 2300 12000	NA 87000 NA 6800 10000 2000	ND< NA ND< ND< ND<	50 0.5 0.5 0.5 0.5

SAN FRANCISCO

MARTINEZ

SUPERIOR ANALYTICAL LABORATORY INC.

825 ARNOLD, STE. 2 • MARTINEZ, CALIFORNIA 94553 • (415) 229-1512

CERTIFICATE FOR ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS
Diesel by Modified EPA SW-846 Method 8015
Gasoline by Purge and Trap: EPA Method 8015/5030
ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES
by EPA SW-846 Methods 5030 and 8020

Page 2 of 2 QA/QC INFORMATION SET: 80427

NA = ANALYSIS NOT REQUESTED ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT

ug/L = part per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 503E:
- Duplicate RPD NA
- Minimum Detection Limit in Water: 5000ug/L

Modified EPA Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 1000ug/L
Daily Standard run at 200mg/L; RFD Diesel = NA
MS/MSD Average Recovery = NA: Duplicate RPD = NA

8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 500ug/L
Daily Standard run at 2mg/L; RPD Gasoline = 5%
MS/MSD Average Recovery = 100%: Duplicate RPD = 6%

8020/BTXE

Minimum Quantitation Limit in Water: 0.50ug/L Daily Standard run at 20ug/L; RPD = <15% MS/MSD Average Recovery = 92%: Duplicate RPD = <5%

Labortory Manager

SAN FRANCISCO

MARTINEZ